



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090030

**Mode:** Highway

**Status:** Submitted

### I-26

**From/Cross Street:** US 74, NC 108

**Specific Improvement Type:** 8 - Improve Interchange

**To:**

**Project Category:** Statewide Mobility

**Length:** 2

**TIP#:** I-4729

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$19,035,000

#### Description:

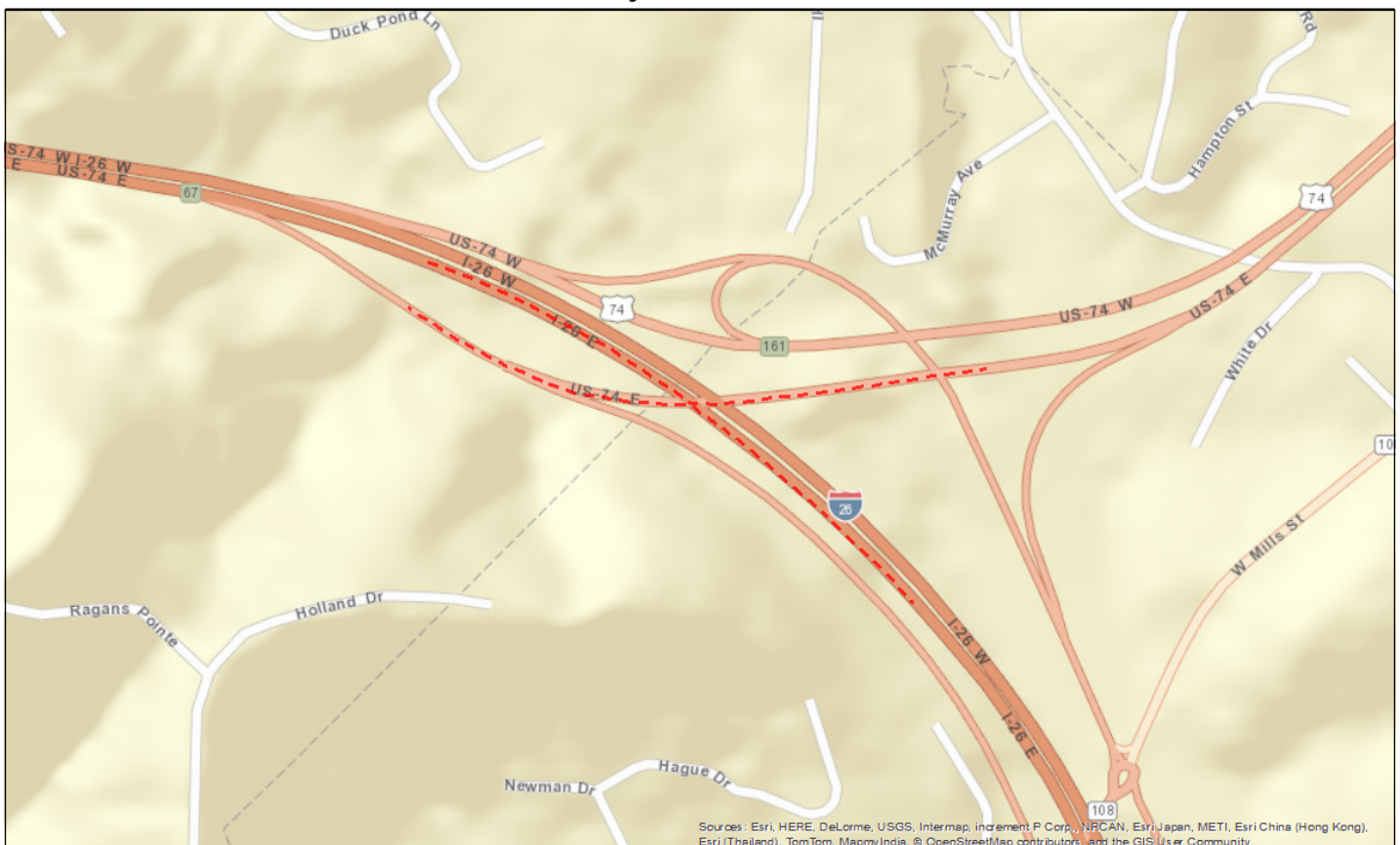
I-26, US 74, NC 108 interchange (Exit 36) Revisions and Improvements to NC 108.

**Division(s):** Division 14

**County(s):** POLK

**MPOS(s)/RPO(s):** Isothermal RPO

### Project Location



**Statewide Mobility Total Score: 28.54**

<b>Quantitative Score</b>		<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%)	36.01	N/A	N/A
Safety (10%)	66.65		
Economic Competitiveness (10%)	15.10		
Multimodal + [Freight & Military] (20%)	41.47		
[Travel Time] Benefit/Cost (30%)	4.23		
<b>Totals: Weight: 100% Weighted Score: 28.54</b>			

**Regional Impact Total Score: 49.92**

<b>Quantitative Score</b>		<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%)	36.01	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%)	66.65		
[Travel Time] Benefit/Cost (25%)	4.23		
Accessibility / Connectivity (10%)	31.96		
<b>Totals: Weight: 70% Weighted Score: 19.92</b>			

**Division Needs Total Score: 64.71**

<b>Quantitative Score</b>		<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%)	36.01	Percent: 25% Points: 100	Percent: 25% Points: 100
Safety (10%)	66.65		
[Travel Time] Benefit/Cost (20%)	4.23		
<b>Totals: Weight: 50% Weighted Score: 14.71</b>			

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	65
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	6
Roadway has Curb & Gutter?	No
Volume (AADT):	41934.83
Capacity:	130800
Volume/Capacity Ratio:	0.32
% Autos:	80%
% Trucks:	20%
Truck Volume:	8293.21
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	100
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	92
Actual Congested Speed:	60.55
Travel Time Index:	1.07

**Project Benefits**

Project Cross-Section:	
Speed Limit:	65
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	3384000
Travel Time Savings for 30 Years (Autos):	2714765.37
Travel Time Savings for 30 Years (Trucks):	669234.63
Long-Term Employment:	60
% Change in Economy:	0.00024207
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 14

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 14	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>100</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Isothermal RPO	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$17,625,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,410,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$19,035,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$19,035,000</b>	